



RF oscillator board is mounted inside magnetic shielding.  
 1 PPS locking board is mounted onto timing slave.  
 Timing slave, push wheels, N adapter and step attenuator are mounted to the front-panel.  
 The power board is mounted to the rear panel.

Cables C1 to C3 are semi-rigid RG405.

U6 and C3 are optional. Use D080703-B with U6.

Adjust power levels with fixed attenuators: Pasternack PE7001.

C4 is a 2-pin LEMO cable.

C5 and V1 are a flat ribbon cables.

V2 uses single pair, shield not connected.

Magnetic shielding is 3"(W) x 2"(H) x 12"(L) carbon steel tube with 0.25" wall thickness; weight approx. 3.3kg  
 Insert uMetal shield inside.

C4 Cable LEMO LEMO USCA02463	PN5 Cable, 1 pair, shielded Mouser 566-9501-100	PN9 Connector, 2 pin Digi-Key 281-1243-ND	V1 flat ribbon, 10pin, pol. Digi-Key M3CCA-1018J-ND
C1 Belden 1671A Cable L=9.5" w/SMA Male on both ends EAM SMA cable, 9.5"	C2 Belden 1671A Cable L=16" w/SMA Male on both ends EAM SMA cable, 16"	C3 Belden 1671A Cable L=3" w/SMA Male on both ends EAM SMA cable, 3"	C5 flat ribbon, 40pin, pol. Digi-Key M3DDA-4018J-ND
PN10 CO-NETIC AA Foil .004" x 15" x 10" Magnetic Shield Corp. CF004-15-10	PN11 Front Panel LIGO D080703-C	PN22 Magnetic Shield LIGO D0900645-v1	PN19 Magnetic Shield Rear Panel LIGO D080707-A
PN8 2U chassis Hamilton Metalcraft HD070013-2 2U	PN20 Rear Panel LIGO D080704-A	PN21 Mounting Plate LIGO D0900141-B	

Title <b>RF Source</b>		
Size A	Number <b>D080702</b>	Revision <b>B</b>
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File: C:\Users\...\RFSource1.SchDoc	Drawn By: Daniel Sigg	

E1 #4-40 3/16" flat  
 E2 #4-40 3/16" flat  
 E3 #4-40 3/16" flat  
 E4 #4-40 3/16" flat  
 E5 #6-32 1/4" flat  
 E6 #6-32 1/4" flat  
 E7 #6-32 1/4" flat  
 E8 BNC lock washer  
 E9 BNC nut

H1 Handle, 3"  
 H2 Handle, 3"  
 Mouser  
 534-9109  
 H3 Ferrule  
 H4 Ferrule  
 H5 Ferrule  
 H6 Ferrule  
 Mouser  
 534-9121  
 M1 #6-32 1/4" flat  
 M2 #6-32 1/4" flat  
 M3 #6-32 1/4" flat  
 M4 #6-32 1/4" flat  
 M5 #6-32 1/4" flat  
 M6 #6-32 1/4" flat  
 McMaster-Carr  
 91099A205  
 M7 #6-32 3/8" flat  
 M8 #6-32 3/8" flat  
 M9 #6-32 3/8" flat  
 M10 #6-32 3/8" flat  
 McMaster-Carr  
 91099A215

E10 #4-40 3/16" flat  
 E11 #4-40 3/16" flat  
 E12 #4-40 3/16" flat  
 E13 #4-40 3/16" flat  
 E14 #4-40 3/16" flat  
 E15 #4-40 3/16" flat  
 E16 #4-40 3/16" flat  
 E17 #4-40 3/16" flat  
 E18 #4-40 3/16" flat  
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 E50 #4-40 3/16" flat  
 E51 #4-40 3/16" flat  
 E52 #4-40 3/16" flat  
 E53 #4-40 3/16" flat

Title			<b>RF Source</b>		
Size	Number	Revision			
A	<b>D080702</b>	<b>B</b>			
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File:	C:\Users\...\RFSource2.SchDoc	Drawn By:		Daniel Sigg	